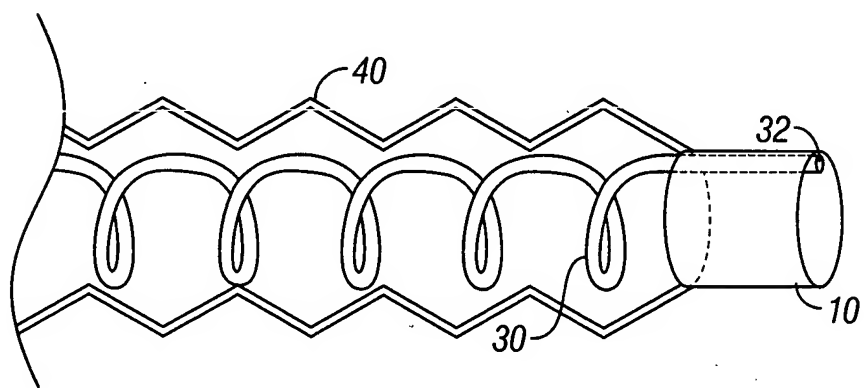
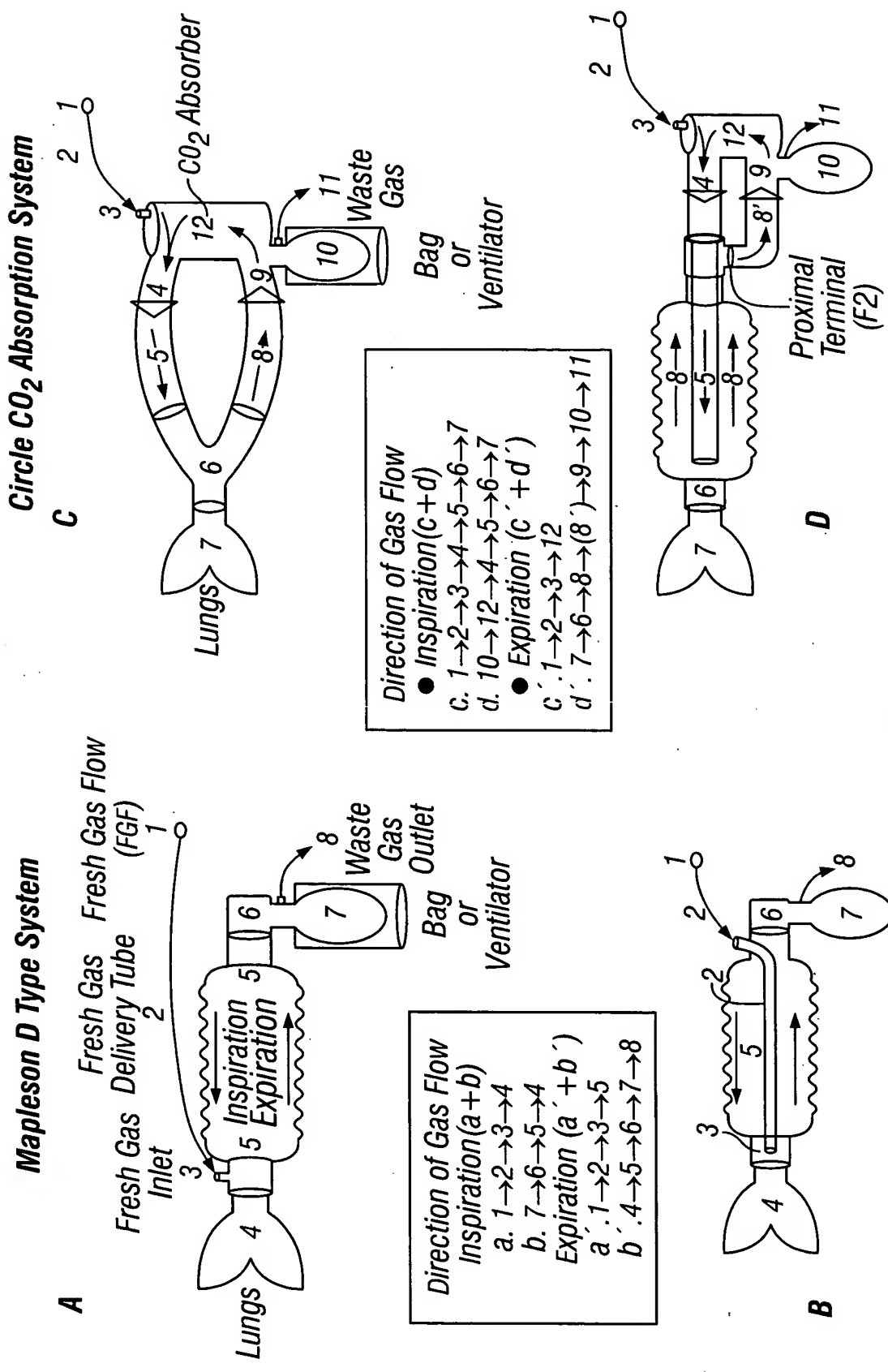


**FIG. 1**



**FIG. 2**



**Direction of Gas Flow**

- Inspiration (c+d)
- c. 1→2→3→4→5→6→7
- d. 10→12→4→5→6→7
- Expiration (c' + d')
- c'. 1→2→3→12
- d'. 7→6→8→(8')→9→10→11

**Direction of Gas Flow**

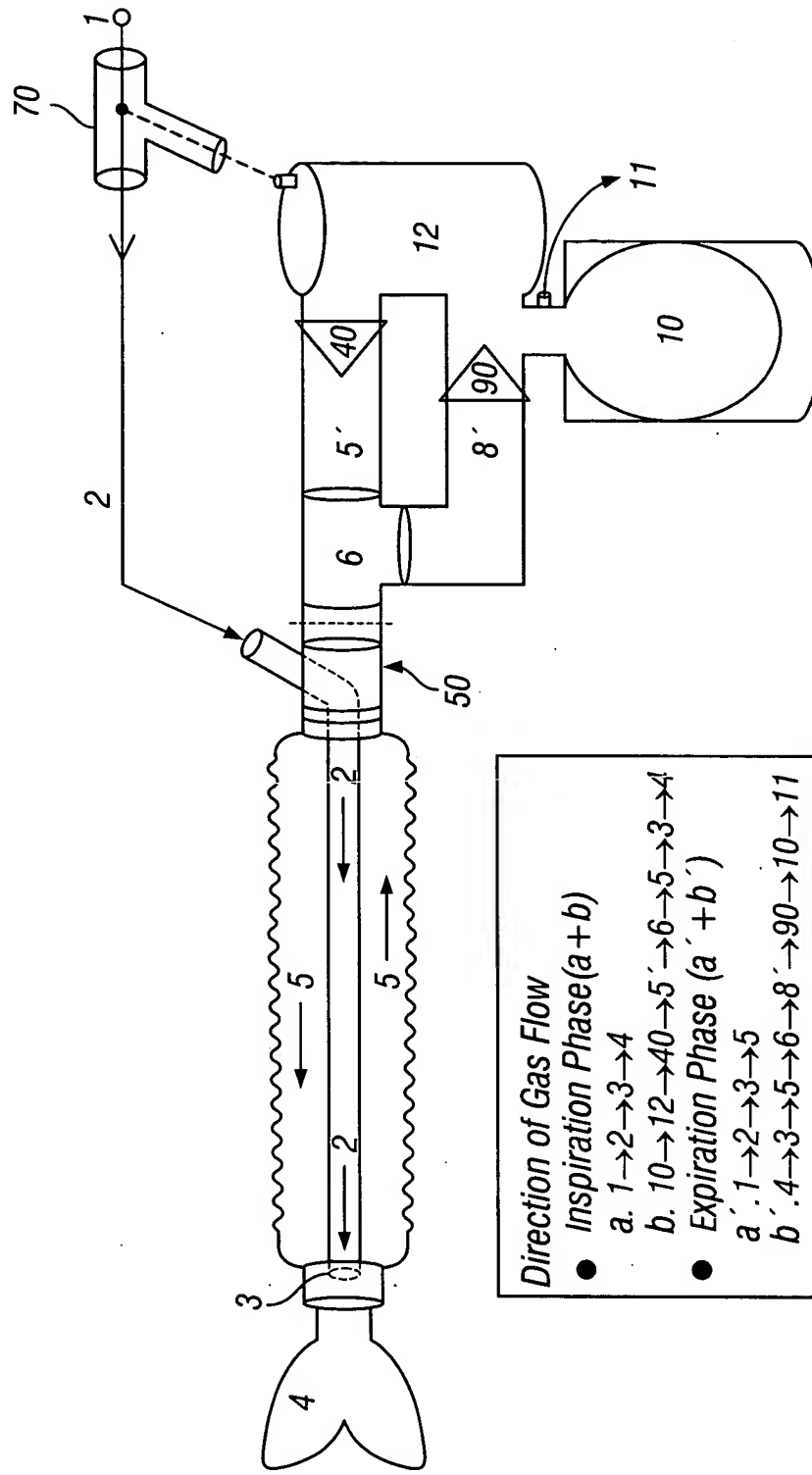
**Inspiration (a+b)**

- a. 1→2→3→4
- b. 7→6→5→4

**Expiration (a' + b')**

- a'. 1→2→3→5
- b'. 4→5→6→7→8

Fig. 3



**FIG. 4A**

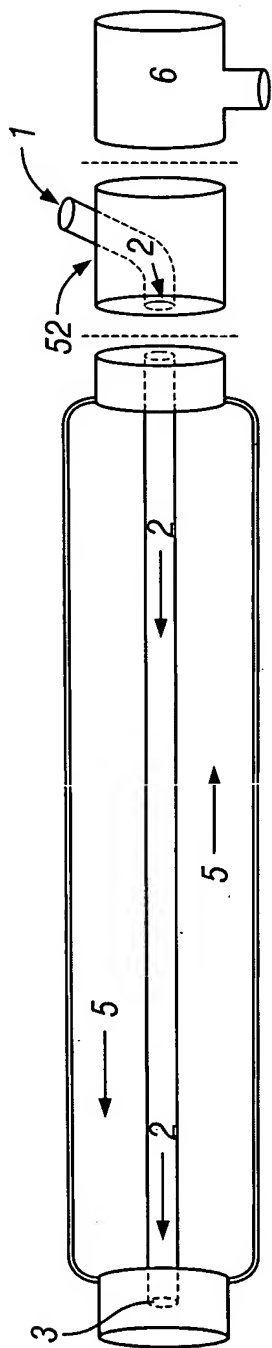


FIG. 4B

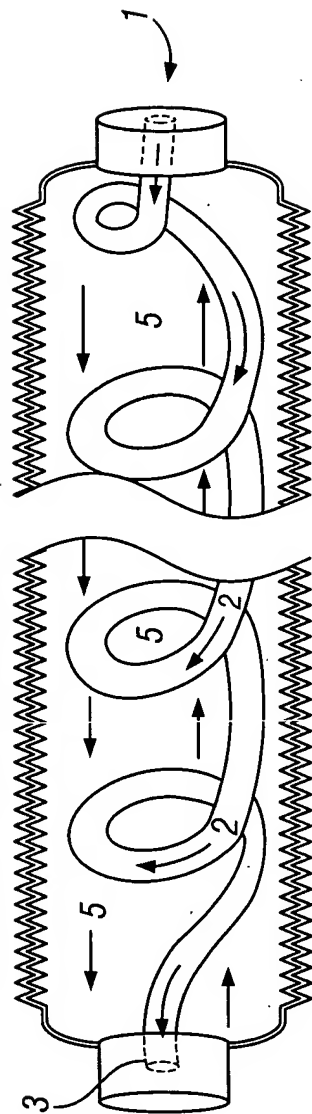
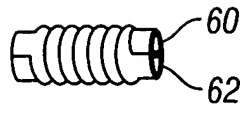
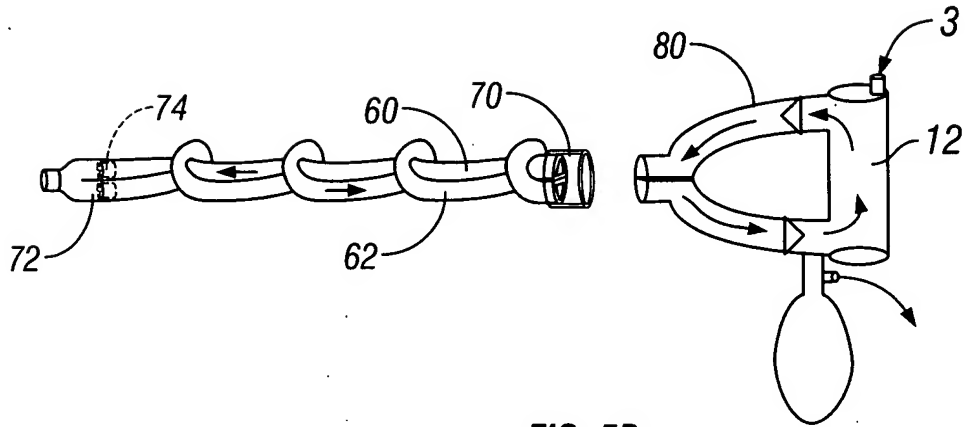


FIG. 4C



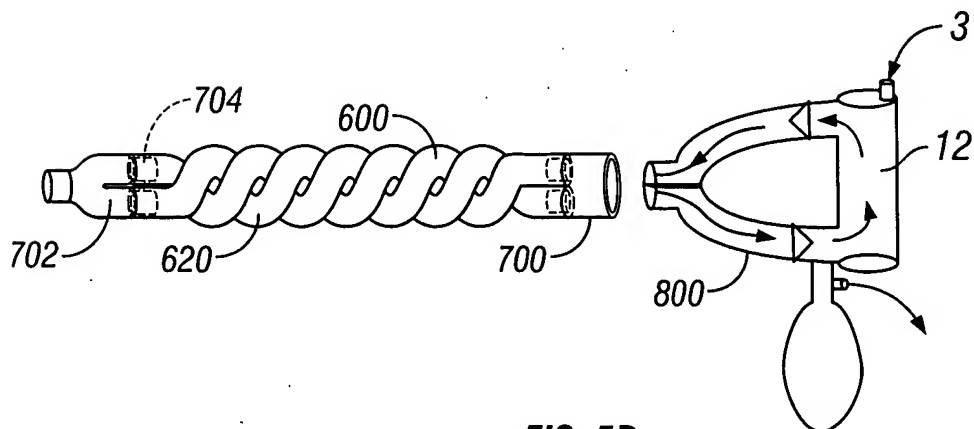
**FIG. 5A**



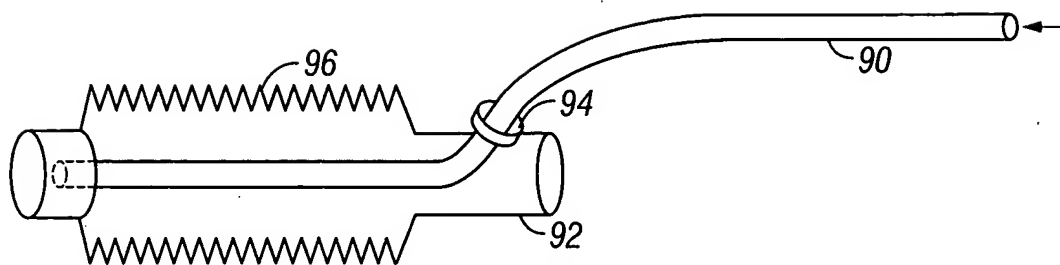
**FIG. 5B**



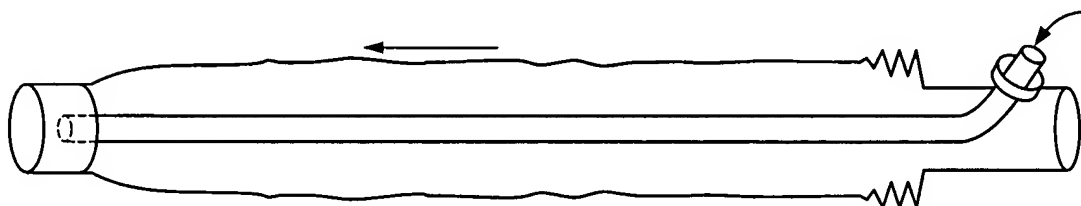
**FIG. 5C**



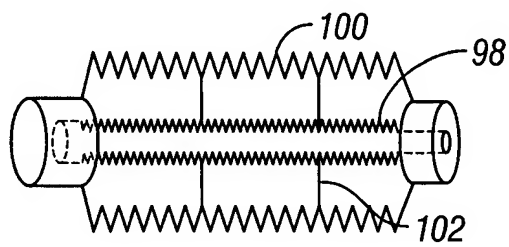
**FIG. 5D**



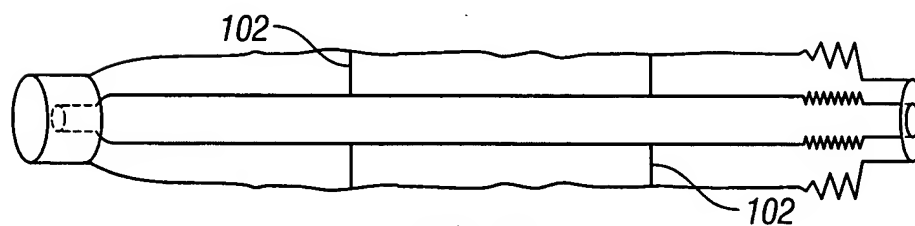
**FIG. 6A**



**FIG. 6B**

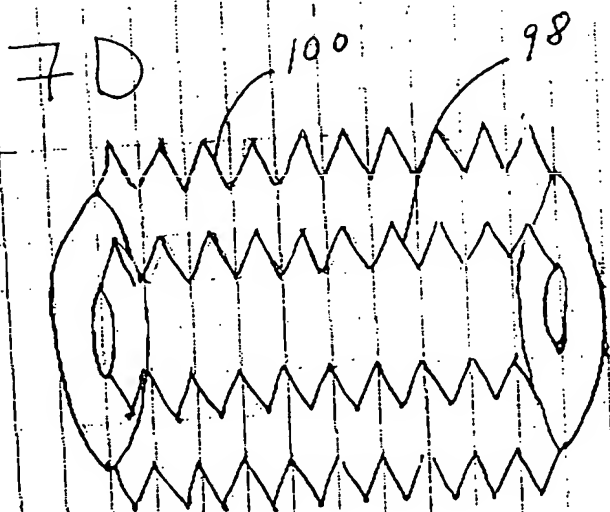
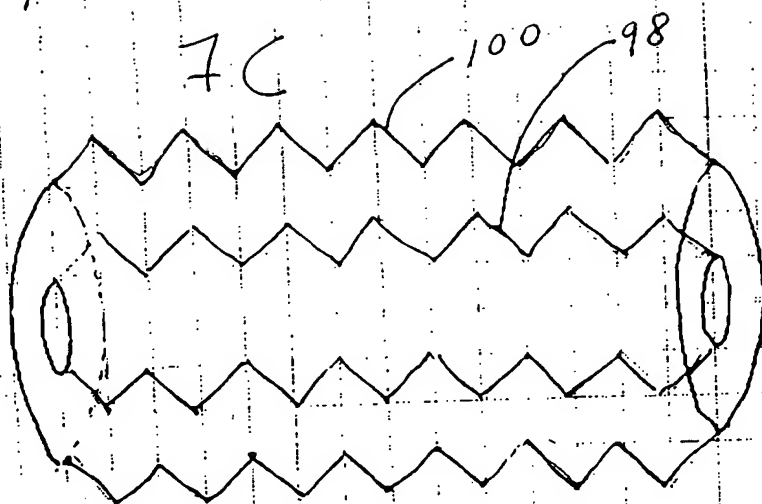


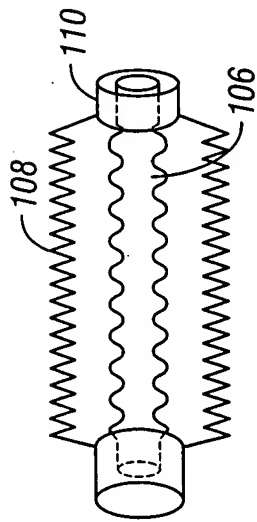
**FIG. 7A**



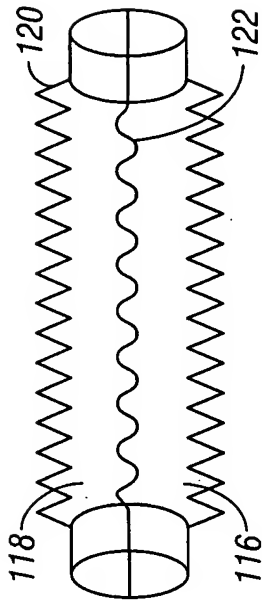
**FIG. 7B**

Fig 7

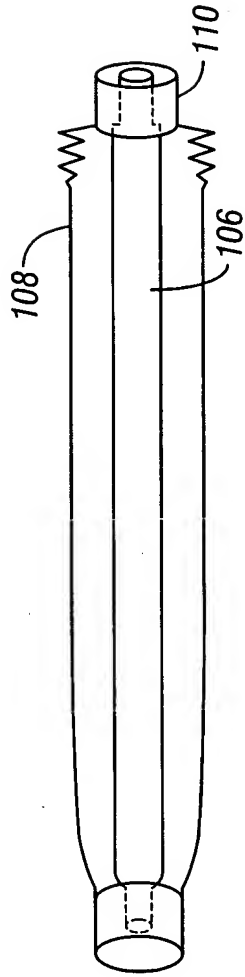




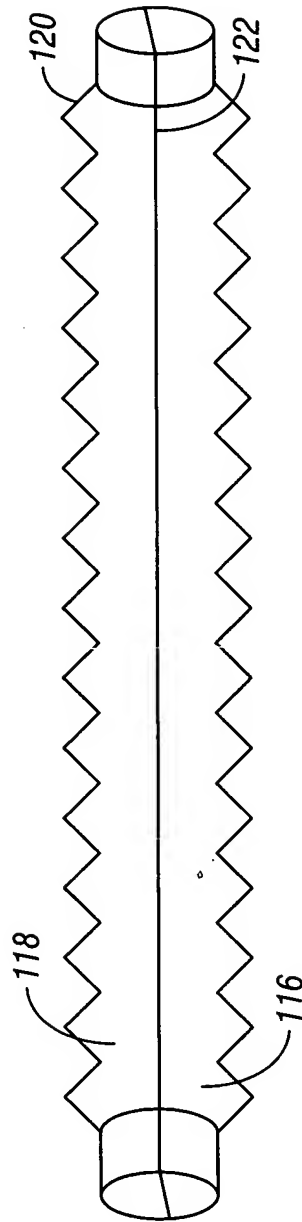
**FIG. 8A**



**FIG. 9A**

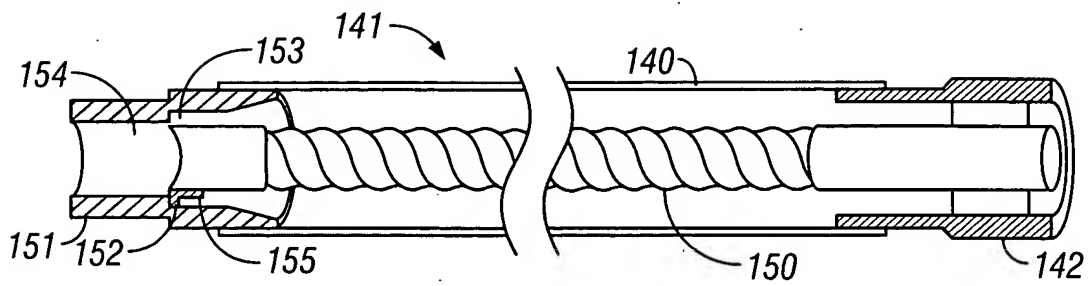


**FIG. 8B**

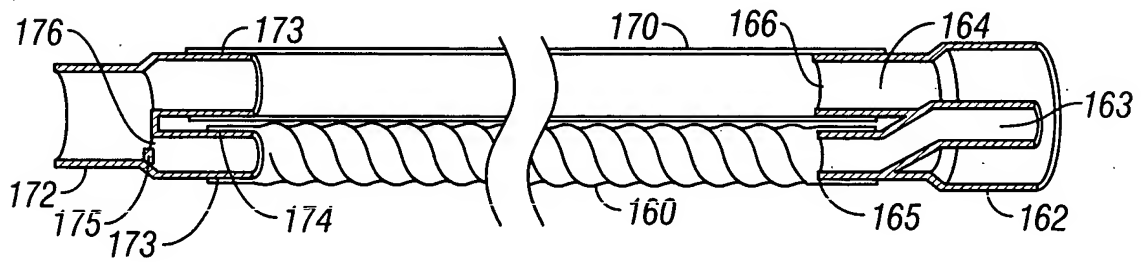


**FIG. 9B**

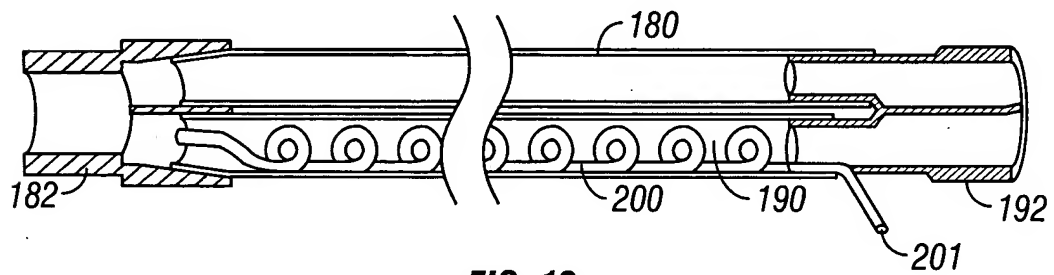




**FIG. 10**



**FIG. 11**



**FIG. 12**

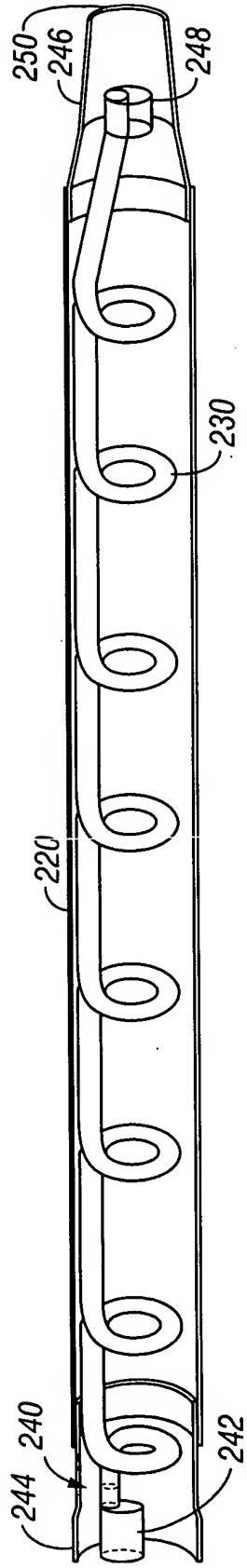


FIG. 13A

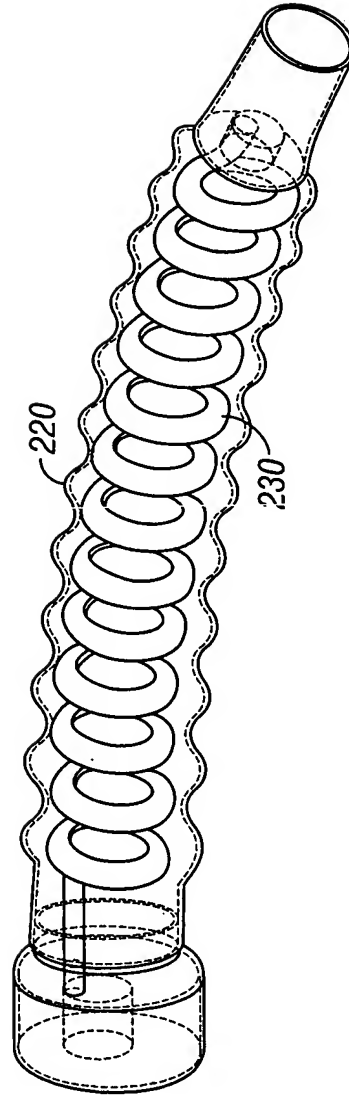


FIG. 13B